

10017929\_CLS.txt  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10017929 on February 08, 2005

Original Classifications

6 343/840  
3 375/133  
3 377/60  
2 370/335  
2 370/350  
2 375/224

Cross-Reference Classifications

4 455/293  
4 455/447  
3 257/239  
3 257/292  
3 257/294  
3 257/E27.157  
3 257/E27.162  
3 327/94  
3 343/795  
3 370/335  
2 333/134  
2 343/851  
2 370/209  
2 370/280  
2 370/324  
2 370/441  
2 370/503  
2 370/522  
2 375/145  
2 375/149  
2 375/356  
2 379/134  
2 455/422.1  
2 455/426.1  
2 455/450  
2 455/452.2  
2 455/453  
2 455/454  
2 455/502  
2 455/561  
2 455/62  
2 455/67.11

Combined Classifications

6 343/840

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5 370/335  
4 455/293  
4 455/447  
3 257/239  
3 257/292  
3 257/294  
3 257/E27.157  
3 257/E27.162  
3 327/94  
3 343/795  
3 370/209  
3 370/350  
3 375/133  
3 377/60  
3 455/454  
3 455/561  
2 333/134  
2 343/851  
2 370/280  
2 370/324  
2 370/329  
2 370/337  
2 370/342  
2 370/343  
2 370/441  
2 370/503  
2 370/522  
2 375/145  
2 375/149  
2 375/224  
2 375/356  
2 379/134  
2 455/422.1  
2 455/423  
2 455/426.1  
2 455/450  
2 455/452.2  
2 455/453  
2 455/502  
2 455/62  
2 455/67.11

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10017929 on February 08, 2005

- 6 343/840 (6 OR, 0 XR)
  - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
  - 343/700R ANTENNAS
  - 343/834 .Antenna with parasitic reflector
  - 343/840 ..Parabolic-type reflector with active antenna at focus
  
- 5 370/335 (2 OR, 3 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/310 COMMUNICATION OVER FREE SPACE
  - 370/328 .Having a plurality of contiguous regions served by respective fixed stations
  - 370/329 ..Channel assignment
  - 370/335 ...Combining or distributing information via code word channels using multiple access techniques (e.g., CDMA)
  
- 4 455/293 (0 OR, 4 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
  - 455/269 .With wave collector (e.g., antenna)
  - 455/280 ..With coupling to a stage of the receiver
  - 455/293 ...Specified stage (e.g., mixer, amplifier, or demodulator)
  
- 4 455/447 (0 OR, 4 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/446 ..Including cell planning or layout
  - 455/447 ...Frequency reuse scheme
  
- 3 257/239 (0 OR, 3 XR)
  - Class 257 : ACTIVE SOLID-STATE DEVICES
  - 257/213 FIELD EFFECT DEVICE
  - 257/215 .Charge transfer device
  - 257/239 ..Signal charge detection type (e.g., floating diffusion or floating gate non-destructive output)
  
- 3 257/292 (0 OR, 3 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES  
 257/264 ...Enhancement mode or with high resistivity  
 channel (e.g., doping of  $10^{15}$  cm<sup>-3</sup> or less)  
 257/288 . Having insulated electrode (e.g., MOSFET, MOS  
 diode)  
 257/290 ..Light responsive or combined with light  
 responsive device  
 257/291 ...Imaging array  
 257/292 ....Photodiodes accessed by FETs

3 257/294 (0 OR, 3 XR)  
 Class 257 : ACTIVE SOLID-STATE DEVICES  
 257/264 ...Enhancement mode or with high resistivity  
 channel (e.g., doping of  $10^{15}$  cm<sup>-3</sup> or less)  
 257/288 . Having insulated electrode (e.g., MOSFET, MOS  
 diode)  
 257/290 ..Light responsive or combined with light  
 responsive device  
 257/291 ...Imaging array  
 257/294 ....With shield, filter, or lens

3 257/E27.157 (0 OR, 3 XR)  
 Class 257 : ACTIVE SOLID-STATE DEVICES  
 257/E27.102 .....Read-only memory, ROM, structure (EPO)  
 257/E27.122 .Including active semiconductor component  
 sensitive to infrared radiation, light  
 , or electromagnetic radiation of a shorter wavelength (EPO)  
 )  
 257/E27.127 ..Device controlled by radiation (EPO)  
 257/E27.13 ...Imager Including structural or functional  
 details of the device (EPO)  
 257/E27.15 ....Charge coupled imager (EPO)  
 257/E27.154 .....Area CCD imager (EPO)  
 257/E27.157 .....Frame transfer (EPO)

3 257/E27.162 (0 OR, 3 XR)  
 Class 257 : ACTIVE SOLID-STATE DEVICES  
 257/E27.102 .....Read-only memory, ROM, structure (EPO)  
 257/E27.122 .Including active semiconductor component  
 sensitive to infrared radiation, light,  
 or electromagnetic radiation of a shorter wavelength (EPO)  
 257/E27.127 ..Device controlled by radiation (EPO)  
 257/E27.13 ...Imager Including structural or functional

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details of the device (EPO)

257/E27.15 ....Charge coupled imager (EPO)

257/E27.162 .....Anti-blooming (EPO)

3 327/94 (0 OR, 3 XR)

Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR  
DEVICES, CIRCUITS, AND SYSTEMS

327/1 SPECIFIC SIGNAL DISCRIMINATING (E.G.,  
COMPARING, SELECTING, ETC.) WITHOUT SUBS

EQUENT CONTROL

327/50 .By amplitude

327/91 ..Including details of sampling or holding

327/94 ...Sample and hold

3 343/795 (0 OR, 3 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
343/700R ANTENNAS

343/793 .Balanced doublet - centerfed (e.g., dipole)

343/795 ..Sheet or wing type

3 370/209 (1 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/203 GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL  
TECHNIQUES

370/208 .Particular set of orthogonal functions

370/209 ..Walsh functions

3 370/350 (2 OR, 1 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/310 COMMUNICATION OVER FREE SPACE

370/345 .Combining or distributing information via tim

e

channels

370/350 ..Synchronization

3 375/133 (3 OR, 0 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/130 SPREAD SPECTRUM

375/132 .Frequency hopping

375/133 ..End-to-end transmission system

3 377/60 (3 OR, 0 XR)

Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR  
SHIFT REGISTERS: CIRCUITS AND SYSTEMS

377/57 CHARGE TRANSFER DEVICE (E.G., ANALOGUE SHIFT  
REGISTER, CCD, BUCKET BRIGADE DEVICE)

377/60 .Particular input or output means

3 455/454 (1 OR, 2 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/403 RADIOTELEPHONE SYSTEM  
     455/422.1 .Zoned or cellular telephone system  
     455/450 ..Channel allocation  
     455/454 ...Spectrum sharing for different type of  
                     system (e.g., point-to-point microwave, tel  
 evision, etc.)

3 455/561 (1 OR, 2 XR)  
     Class 455 : TELECOMMUNICATIONS  
     455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
                     TRANSCEIVER)  
     455/550.1 .Radiotelephone equipment detail  
     455/561 ..Base station detail

2 333/134 (0 OR, 2 XR)  
     Class 333 : WAVE TRANSMISSION LINES AND NETWORKS  
     333/1 PLURAL CHANNEL SYSTEMS  
     333/100 .Having branched circuits  
     333/132 ..For providing frequency separation  
     333/134 ...Utilizing long line element

2 343/851 (0 OR, 2 XR)  
     Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS  
     343/700R ANTENNAS  
     343/850 .With coupling network or impedance in the  
                     leadin  
     343/851 ..With radiation suppressor (e.g., shield)

2 370/280 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/276 DUPLEX  
     370/277 .Communication over free space  
     370/280 ..Time division

2 370/324 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/315 .Repeater  
     370/316 ..Airborne or space satellite repeater  
     370/319 ...Multiple access (e.g., FDMA)  
     370/321 ....Time division (TDMA)  
     370/324 .....Synchronization

2 370/329 (1 OR, 1 XR)

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Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/328 .Having a plurality of contiguous regions  
served by respective fixed stations  
370/329 ..Channel assignment

2 370/337 (1 OR, 1 XR)

Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/328 .Having a plurality of contiguous regions  
served by respective fixed stations  
370/329 ..Channel assignment  
370/336 ...Combining or distributing information via  
time channels  
370/337 ....Multiple access (e.g., TDMA)

2 370/342 (1 OR, 1 XR)

Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/342 .Combining or distributing information via cod

e  
word channels using multiple access techniq  
ues (e.g., CDMA)

2 370/343 (1 OR, 1 XR)

Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/343 .Combining or distributing information via  
frequency channels

2 370/441 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/441 .Combining or distributing information via cod

e  
word channels using multiple access techniq  
ues (e.g., CDMA)

2 370/503 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS  
370/473 ..Transmission of a single message having  
multiple packets  
370/498 .Combining or distributing information via tim  
e  
channels  
370/503 ..Synchronizing

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- 2 370/522 (0 OR, 2 XR)
    - Class 370 : MULTIPLEX COMMUNICATIONS
    - 370/473 ..Transmission of a single message having multiple packets
    - 370/498 .Combining or distributing information via time channels
    - 370/522 ..Signaling (ancillary to main information)
  - 2 375/145 (0 OR, 2 XR)
    - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
    - 375/130 SPREAD SPECTRUM
    - 375/140 .Direct sequence
    - 375/141 ..End-to-end transmission system
    - 375/145 ...Having specific signaling for code synchronization
  - 2 375/149 (0 OR, 2 XR)
    - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
    - 375/130 SPREAD SPECTRUM
    - 375/140 .Direct sequence
    - 375/147 ..Receiver
    - 375/149 ...Having specific code synchronization
  - 2 375/224 (2 OR, 0 XR)
    - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
    - 375/224 TESTING
  - 2 375/356 (0 OR, 2 XR)
    - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
    - 375/354 SYNCHRONIZERS
    - 375/356 .Network synchronizing more than two stations
  - 2 379/134 (0 OR, 2 XR)
    - Class 379 : TELEPHONIC COMMUNICATIONS
    - 379/111 WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC REGISTER)
    - 379/133 .Call traffic recording or monitoring
    - 379/134 ..At central station
  - 2 455/422.1 (0 OR, 2 XR)
    - Class 455 : TELECOMMUNICATIONS
    - 455/403 RADIOTELEPHONE SYSTEM
    - 455/422.1 .Zoned or cellular telephone system
  - 2 455/423 (1 OR, 1 XR)



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Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/423 ..Diagnostic testing, malfunction indication,  
or electrical condition measurement

2 455/426.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/426.1 ..Including other radio communication system  
(e.g., cordless telephone, paging, trunking

, etc.)

2 455/450 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/450 ..Channel allocation

2 455/452.2 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/450 ..Channel allocation  
455/452.1 ...Dynamic allocation  
455/452.2 ....Based on service quality (e.g., bandwidth,  
etc.)

2 455/453 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/450 ..Channel allocation  
455/453 ...Load balancing

2 455/502 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
  
455/500 .Plural transmitters or receivers (i.e., more  
than two stations)  
455/501 ..Noise, distortion, or singing reduction  
455/502 ...Synchronized stations

2 455/62 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS  
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

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455/62 .Optimum frequency selection

2 455/67.11 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of  
system or part